

VIII

Memoranda

H. S. Ladd



# Notebook VIII

No 1876  
Wm. J. Kennedy Stamp Co.  
212 N. Fourth St.  
St. Louis, Mo.

Return to:

A. S. Ladd  
4354 W. C. Pherson Ave.  
St. Louis, Mo.

Aug 1923 - Sept. 1923. (Postage  
Guaranteed)

Jackson & Clinton Counties  
Iowa.

- Outlines & Index of  
Jackson Co., etc.

- M. E. Iowa 1924.  
- Ohio - Ind 1924.

## Index

1-30 Geol. notes.

30-35 Om. "

35-40 Ent.

38-40 *asidrysses*.

40-42 Work

42-45 Picture locations.

45-70 Log

70-74 Food Acc.

74-75 Money

75-76 Correspondence

76-78 Lists.



## Geology Notes

Thesis problem in Jackson and Clinton Counties, Iowa. - Aug. 1923.

✓ (1) Study Ordovician ~~inlier~~  
found in Fairfield and Van Buren  
~~Counties~~ townships (Jackson Co.)  
- collect fossils.

✓ (2) Study Pennsylvanian outlier  
found T84N, R15E - Sec. 23 (part)  
- collect fossils.

✓ (3) Map boundary of Ord. ~~inlier~~  
located in Fairfield and Van Buren  
Townships (Jackson Co.) Is it  
correctly mapped in Jackson Co?  
Does it extend into Clinton Co.?

(4) Study belt of Ordovician  
(Maquoketa) along Miss. R. in  
Washington Township. What  
relation does the Maquoketa  
along the Miss. R. bear to  
that of the ~~inlier~~ to the



southwest? Is the outlier due to:

@ topography? - obviously not.  
B unconformity? - i. e. Does the outlier represent a high point of the eroded Ordovician surface? If so was it or was it not once covered by the Silurian seas? The presence of the outlier of Pennsylvanian (T84N, R. IV E, Sec. 32) lying directly upon the Ordovician indicates that there is a possibility that this Magawatha was not covered by the Silurian seas but of course any silurian deposits which might have been present could have been eroded away before the deposition of the Pennsylvanian.

(c) structure? Is there any indication of low doming or folding or monoclinial dip which might explain its presence? (The general dip of the rocks of the state is to the south west so that there is little possibility of the outlier being due to structure.) The ~~gentle~~ ~~de~~ dendritic shape of the outcrop seems to indicate that the rocks are essentially horizontal.

(d) Is the outlier to be explained by a combination of the above factors and if so of which ones? Which ones are the most important?

: If the rocks of the outlier dip gently to the southwest as do most



of the rocks of the state  
they will be considerably  
younger than the rocks  
of the same formation  
outcropping along the Miss. R.  
(Fossils should be carefully  
collected in detailed sections  
from ~~both~~ both localities)

(5) Study ~~for~~<sup>six</sup> outlines  
of Pennsylvanian in Fairfield  
and Maguoketa Townships.  
Take number of dips &  
strikes and try to work  
up section in some detail  
by careful collections of fossils.

(6) Study the two outcrops of Pennsylvanian (T84N, R1E, Sec. 31, 32, 33.) How do these tie up with outcrops to the east. Collect fossils carefully.

(7) Study outlier to north  
in same way (T85N, R1E, Sec. 17)

8.) Study so-called Devonian  
outcrop (T85N, R1E, Sec. 18). Collect  
fossils, study lithologic character  
of rock, etc.

890 - 1st - alloy



21. ... south lake  
 22. ...  
 23. ...  
 24. ...  
 25. ...  
 26. ...  
 27. ...  
 28. ...  
 29. ...  
 30. ...

53	53
180	82
<u>233</u>	<u>133</u>



Spring east in bed of small  
dry creek S.E. 1/4 Sec 13  
Twp 36 N. R. 10 E. S. 13 E.

1. Hgt. in place for  
(some to west end)

49 1/2 ft. 2 1/2'

50 1/2 ft. 2 1/2'

70 1/2 ft. 5'

115 1/2 ft. 5'

115 1/2 ft. 5'

115 1/2 ft. 9'

120 15' 9"

120 15' 9"

120 15' 9"

120 15' 9"

120 15' 9"

120 15' 9"

120 15' 9"

120 15' 9"

120 15' 9"

120 15' 9"

120 15' 9"

120 15' 9"

120 15' 9"

120 15' 9"

120 15' 9"

1/2 mi. south of road  
by camp - to creek



Handwritten notes on the top page of a lined notebook. The text is written in cursive and appears to be a field report or journal entry. It mentions "Carter Co. (study topography very carefully for remnant of erosion in Goose Lake Channel bed per Savage Report)." and "Savage, mapping Jackson Co. in 1906 found too much cut in connection with the same. He (a map maker) did not make enough detailed observations nor follow topography close enough. Perhaps the channel as a whole is too big - certainly too much eroded along the Carson River."

of Moa were found in Carter Co. (study topography very carefully for remnant of erosion in Goose Lake Channel bed per Savage Report).

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Field Work 1924.

✓ See May on all countries in N.E. To

✓ (b)  $\frac{1}{2} \log \frac{1}{2} \pi$  cu  $\gamma$  variabil

Age of Transition, 1800

See May 8<sup>th</sup> Feb. 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573,



- ✓ Evidence of erosion between  
Gal & Ma<sup>3</sup>
- ✓ - Collect fossils
- ✓ - Types report
- ✓ - Features for Thor. paper
- ✓ - sed. samples
- In deg. fauna everywhere phosphatic.

Crawfordsville & West Cim. Beds

{ Near  
Crawfordsville, Montgomery Co, Ind.  
On bank of Rock Creek & Sugar  
Creek.

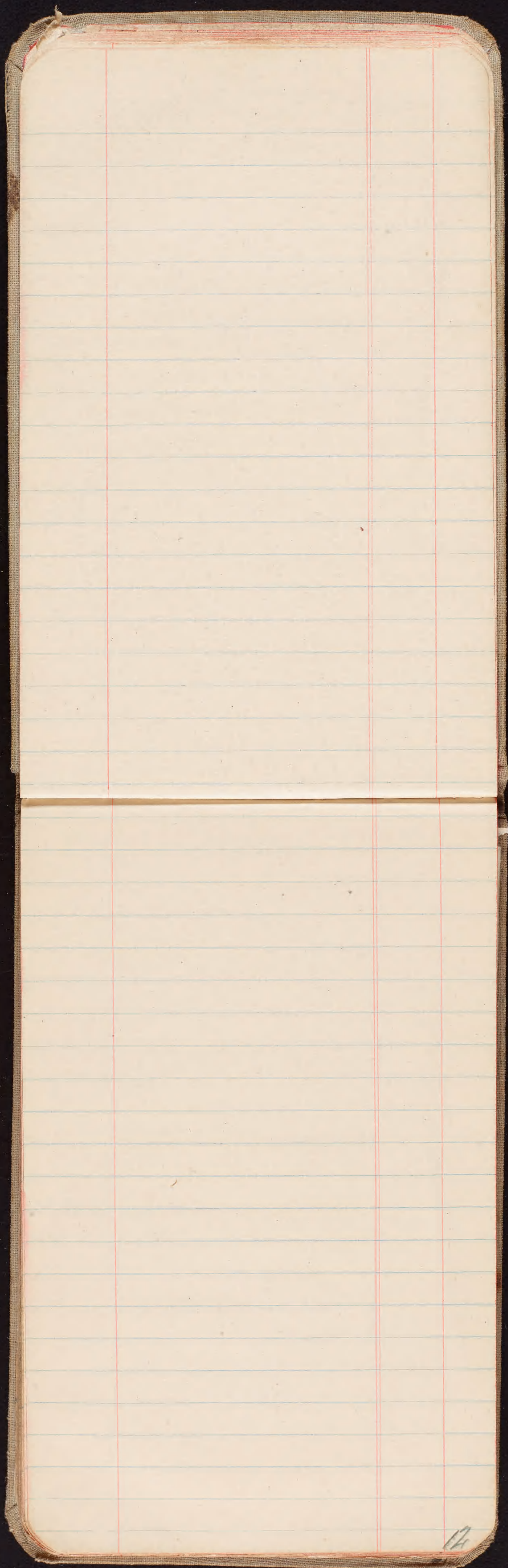
Visit. Delaford Wic, Oswego,  
Munro, Savannah,  
Stockton. Ill.



Bay 1700  
 { Finally / North from  
 1000 - 1000 - 1000  
 1000 - 1000 - 1000

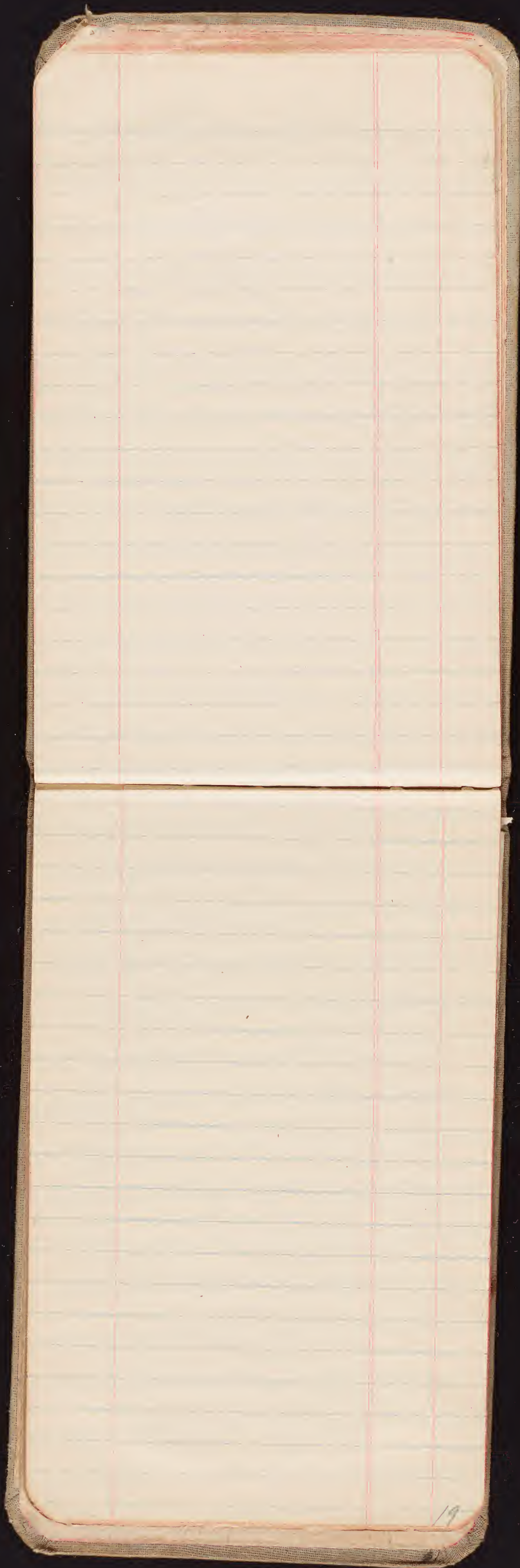
Outcrop of limestone  
 near the summit  
 of the mountain  
 is about 1000 ft. high  
 and is composed of  
 a soft, white, crystalline  
 limestone.





12







These being the 2<sup>nd</sup> of  
 the year 1894. The  
 weather was very fine  
 & clear. I went out  
 at 10 o'clock to the  
 beach & walked along  
 the shore. I saw many  
 specimens of the  
 following plants:  
 1. *Chenopodium*  
 2. *Chenopodium*  
 3. *Chenopodium*  
 4. *Chenopodium*  
 5. *Chenopodium*  
 6. *Chenopodium*  
 7. *Chenopodium*  
 8. *Chenopodium*  
 9. *Chenopodium*  
 10. *Chenopodium*  
 11. *Chenopodium*  
 12. *Chenopodium*  
 13. *Chenopodium*  
 14. *Chenopodium*  
 15. *Chenopodium*  
 16. *Chenopodium*  
 17. *Chenopodium*  
 18. *Chenopodium*  
 19. *Chenopodium*  
 20. *Chenopodium*







Thurs. Sept. 2<sup>nd</sup>

Packed & shipped at 12 noon  
To Newark with Thomas &  
met Ray & his grand. Betty  
Smith. To Elmont stopping  
on way for an hour to see  
Larab. Mag. section - several  
looked on. Arrived Elmont  
about 5:30 PM. To  
Mun. Co. for supper - with  
J. H. L. L.

Fr. Sept. 5<sup>th</sup>

Worked in the shop in  
morning - long - sun  
batteries finally. Looked up  
repaired & planned trip. Well  
I'm leaving & back  
to office till Sept 11



Sat Sept 6<sup>th</sup>

Start for Liberty, Ill  
with Mr. Sedwell  
about 10<sup>00</sup> AM. Arrived  
Liberty about 12<sup>00</sup> PM.  
Met Ray Boyer in Bar.  
Talked till late with  
Ben & Sargent.

Sun Sept 7<sup>th</sup>

Looked over Ben's map  
city till 10<sup>00</sup> left for  
Seymour, Ia. via  
Jillbush, White Hall  
Jewell, Altam. Arrived  
about 9<sup>00</sup> PM. Visited  
with folks till past  
midnight.

Mon Sept 8<sup>th</sup>

Took Mr. Sedwell  
for ride & put her on  
a horse taken for Fairfield  
(about 10<sup>00</sup> AM).

she will visit relatives.

To see new apt. with  
Dotter. A satisfactory  
talk with Mr. Court &  
Shpton. Stayed at dinner  
& out to see Otho Granger  
about Iowa. Ray. Pat  
Wm. came down for  
evening to talk over  
Iowa plan.

Tue Sept 9<sup>th</sup>

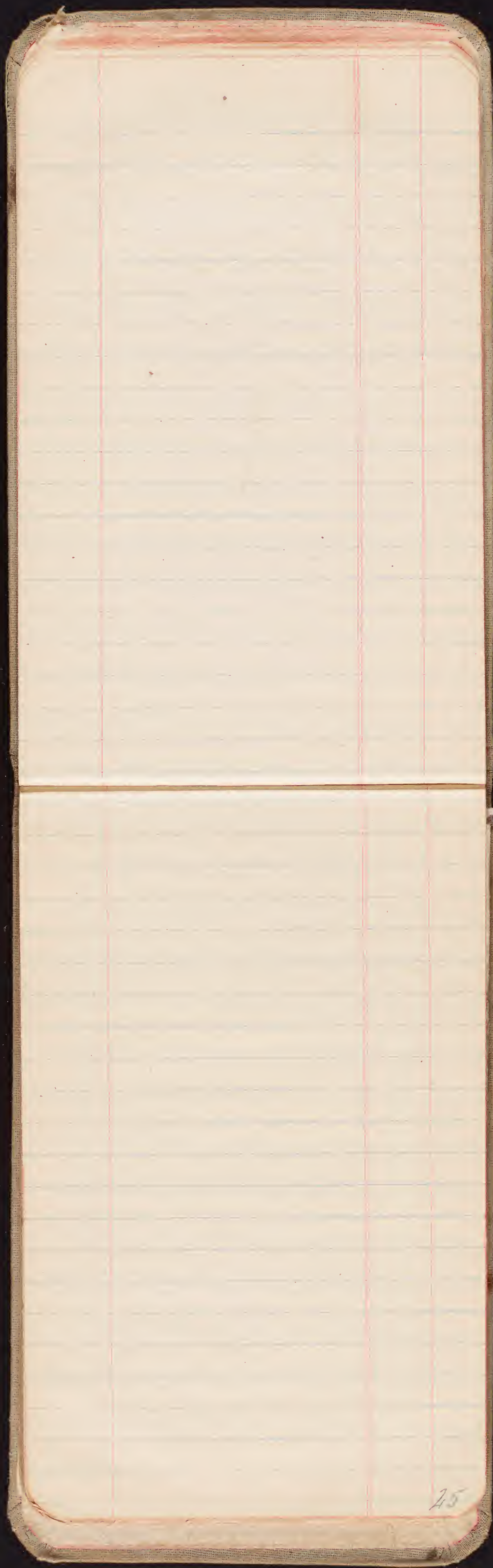
Left for Ben - will  
meet tonight Sat. Sept.

13<sup>th</sup> - 6<sup>00</sup> AM. Leaving Hotel  
a later of delayed. To  
St. Charles - out to May  
Ferry to within mile of  
Hallebar - out to Pester  
& on No 25 to St. C.  
Some trouble connecting  
route to Mouth of  
Establishment. R. - com

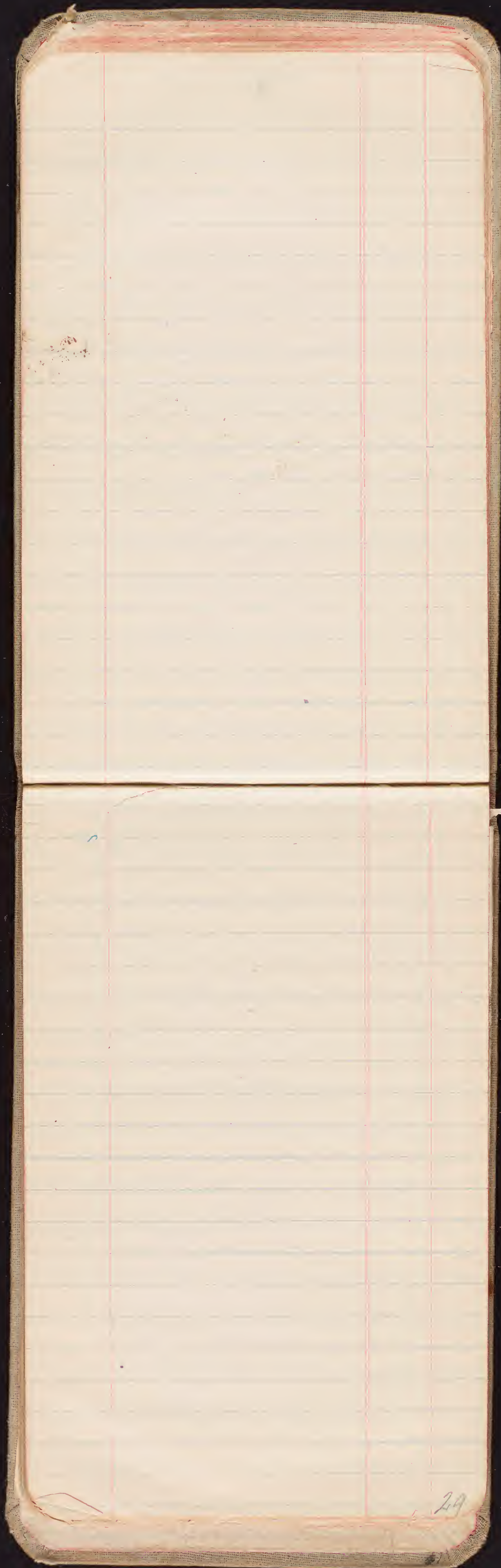


not of the same no. 65.











Cointhology Notes





Valley of the  
L. B. & C. from river  
to the top of the  
mountain



Expenses

return Jan - 24

gas & oil	1.75
" " "	1.38
oil	.25
dinner	.75
bromo	.10
	<hr/>
	4.0
ferry	.30
supper	.31
gas & oil	.99
card	.02
gas	.74
Embroidery	.07
Tr. light	.65
guide	.03
ford	<hr/>
	11.7
	<hr/>
	18
	<hr/>
	39.0
Tr. 25	2.20
meat	.05
oil	.25
dinner	.30
gas	1.02
Costs	.80

Left Bruce 6:15  
- M.G. to top of Davy  
- St. Thos, Blenheim  
Windsor - Det. -  
- out Mich Arc thru  
Cypselanti, Ann Arbor  
Jackson, Diller, Kel  
Coburn, Bugab in  
big farm fire east  
of Jackson. Camp  
to Ark from  
Windsor  
Slight west of  
Ranger. Midway  
about 500 miles  
gas & oil 1.00  
oil 25¢  
25¢ tip 10¢  
ford 30¢ Cig 7¢  
patch 25¢  
gas & oil 1.20  
" " " 1.17  
ford 25











field with Thor. But every  
night with L. S. Fumel. 3

Mon July 7<sup>th</sup> Sun. July 13<sup>th</sup> incl.  
Worked in office practically  
all of each day. One day in  
field with Thos. Went every  
night with L. S. Fennel. 33



St. Quarry paper & some of  
def. paper. Wrote Shaller  
July 12 that could not  
meet him in Madria July  
14<sup>th</sup>. (-150 C.P.L. - entered)  
Mon. July 14<sup>th</sup>.

Prepared to leave. Saw S.S.  
at 11<sup>00</sup>. Finally away at  
6<sup>15</sup> P.M. - to W. Liberty  
for supper - Dar. - De Witt  
Clinton - 9 miles east -  
almost 1<sup>00</sup> A.M. Wrote S.S.  
Pd. Vill 14<sup>25</sup>, shirt<sup>etc</sup> 6<sup>00</sup>±,  
Thos. 12.35, etc.

Tues. July 15.

To Chicago over Lincoln  
shortly after noon. Dunes  
Hwy (Ind. St. Rd 43)  
from Mich. City to state  
line where it becomes Ill.  
Dinner 6<sup>40</sup> Mich. City

Passenger from early  
morning to Chicago.

On to Watervliet & some  
10 miles beyond - slept in car  
? 171 miles from Detroit.  
Milage for day 272.

Wed. July 16.

Thru. Ka-yoo, B. Creek, Marshall,  
Jackson & Ann Arbor to  
Det. by 5<sup>15</sup> P.M. - Supper  
in Windsor & on thru  
Blenheim - rain - slept in  
car. - 193 miles to Det.

Thurs. July 17

10 Bruce for breakfast.  
Total milage about 650 miles  
- speedometer broken: not exact.  
Expenses trip

Car	10 67
Food	1 60
Misc	3 49
	<hr/> 15 76



# Expense - Can trip.

supper	35
gas & oil	77
toll bridge	20
gas & oil	1 29
breakfast	25
gas & oil	1 95
drink	10
cards	05
envelope	14
gas & oil	1 37
gas	41
food	15
oil & gas	1 28
floor mat	90
gas & oil	1 29
cig. & drink	20
food \$0	
" 15	
oil 15	
gas 15	
supper 15	
auto charge 50	
gas 30	
30	
Mileage 4915 - Clinton	

## Entomology Notes

Crawford 4000W  
 on black night to Madison  
 east to park - 1st drive to  
 right - follow to western Ave.  
 to 55 Bl. - out as same  
 to Mich.

4915

97	5380	5380	630	5380
20	4915	4850	272	5380
127	465	630	358	
195	272	14		
137	193	888.0		
41		630		
128		2580		
129		2520		
30				
889				

465  
117  
582

S M T W Th F S  
 3 4 5 6 7 1 2  
 1 " " " "

465  
117  
582  
465  
117  
582  
465  
117  
582



Fri. July 18 - Wed. July 30 incl.

Vacation - Pt. Bruce -

- Marg. Goodwin, Jean Mc Intosh -  
J. Goughell. - Best for years.

Thurs. July 31 <sup>Fri. Aug 1</sup> at. incl.

Collecting with Thomas  
+ Marshall Ray from Devon  
at Thedford, Marsh's Mills +  
Arkona. Drove to Bruce with

~~sent~~ <sup>sent</sup> Thomas  
Aug 2 - 3 <sup>incl.</sup>

Vacation with Thomas  
- Pt. Bruce

Aug. 4 ~~Sat.~~ Mon

To Toronto by evening.

Aug. 5 ~~Sun.~~ Tues

Registered B.A.A.S.

- looked over campus -

old book stores - museum

- show

Aug. 6 <sup>th</sup> - ~~Mon.~~ Wed.

Registered etc. in  
morning. Driving with  
Wallon, Cole, + Kuntz +  
Thor. - Dinner with  
Kuntz + Thor. - To  
outcrops of limestone  
along Humber River  
(see Can. Bull). - collecting  
- to hear presidential  
address by Major-gen.  
Sir. David Bruce on  
Prevention of disease  
- could hear little of talk.  
Saw exhibits of scientific  
apparatus after lunch.

Aug 7. - Thurs.

To hear papers in  
morning - Dinner with Drs  
Ray, Kuntz, + Thomas.  
- Field trip to areas near + in  
Toronto (see literature). To  
reception - good time. Long  
talk with Dyer + Rich. etc.



Acquaintances ~ B. A. A. S.

- 1 Wallon - Colo. U. - Anatomy
- 2 Coles - " " - Psychology
- 3 Kuntz, M. - St. L. U. - Anatomy
- 4 Parks, W. A. - Toronto U. - Paleont. <sup>Vert.</sup> <sup>Instr.</sup>
- 5 Coleman, - " " - Hist. & Bot.
- 6 Dyer, - Can. Surv. - Rich. & Econ. Work
- 7 Snyder, L. L. - Tor. Museum - Birds & Mammals
- 8 Anderson, R. M. - Can. Surv. - Mammals <sup>Ph.D. - Ia.</sup>
- 9 Reynolds, S. H. - <sup>The U. with Steffensen</sup> Bristol, Eng. - Geol.
- 10 Daly, Reg. A. - Harvard
- 11 Bather, F. A. - <sup>Kuper Brit. Museum</sup> Geol. Soc. - Arch.
- 12 Wilson, M. - Can. Surv. - Pal.
- 13 Holmes, " ? Phil. - Geol.?
- 14 Bayley, Ill. - Min. <sup>Pr. E</sup>
- 15 Quirk, T. T. - Can. Surv. / Geol.
- 16 Milton - " - Pet. & Min. (Bayley)
- 17 Harrie - "
- 18 Falconer - Pres. U. of Toronto
19. Fairchild, H. L. - <sup>S. Y. U.</sup> - <sup>retires</sup>
20. Landerback, - Cal. - <sup>Structural</sup> Geol.

21. Farr - Iowa - Botany
22. Stuart - " - Physics
23. Kay - " - Geol.
24. Thomas - " - "







Thurs. Aug. 14.

Drove to within few miles of  
Dixon, Ill. & slept in car.

Fri. Aug. 15.

Reached Iowa City about 4<sup>00</sup> P.M.

Road bad - in ditch just west  
of West Liberty. Read mail, etc.

To "Tiffin" with I. S. in evening.

Sat. Aug. 16.

Worked changing office &  
cleaning old dark room with  
Apfel. Talked over Magworkets  
with Tron. To dance in City Hall  
with I. S. in evening.

Sun. Aug. 17.

Wrote 10 letters in morning  
& worked all afternoon on new  
office, etc. To show with I. S.  
in evening - also to "Tiffin".

Mon. Aug. 18.

Left after some work at

10<sup>00</sup> A.M. Rain in ditch -

Davenport - Clinton - Fulton - Des Moines  
- Harison. - visit with Shipton.

Tues. Aug. 19.

Rain all night & morning  
- examined collection of T. D. Shipton,  
etc. Worked local Mag. rest  
of day & Gal. & old mine (Eadie)

Wed. Aug. 20.

To famous Tunnel in Mag.  
& saw "transition beds" of Iowa  
in "Winton" beds of Iowa. To  
California Digging (Royal Prince  
mine). Home, etc. in evening.

Thurs. Aug. 21.

Spent day in Ill & Wisc  
visiting mines. - Under-

"Connecting Link" and  
"Call" - also through mill.

Fri. Aug. 22.

Letters from AOT & CP.  
To Elmore & Stockton  
& other outcrop of Mag.



Sat Aug. 23.

Cut up on vic. of Hoover (4)

Sat Mon. To Lona in afternoon

in Mon. morn - camp

of Lona - rain - afternoon - night

in Aug. 24.

To sitting for miter of T.

Atkinsin - camp, noon - cleared

up, 9. wrote, etc. packed box  
letter M.G., AOT, & Leantt.

W. Aug. 25 - shipped box at Ft. Alpinson

all day on Ft. At. ls &

cler. sh. - several boxes

collected much. - letter to Mr. Mc

Shipton, A.R.L., I.S., & card to L.H.

Tues. Aug. 26.

Chermonah, Agia Vale, Ft. L.

& Breant - all in house - camp

and of Fenton - put up with - most of  
letter to L.H.

Wed. Aug. 27.

Chermonah, Agia Vale, Ft. L.

all in house - no mail - day of

all place in Aug. 18. Also to L.H.

See p. 20 A

## Work



~~Handwritten text, mostly crossed out with a large X.~~

~~Handwritten text, mostly crossed out with a large X.~~







✓  
✓  
2A  
7A

11 out of 1000 - some  
up of 1000 - some  
very old - decorated with  
8 - 8/11/22

2

same as 2 - general  
view of - where?

✓  
4

View of old Goose Lake 8/10/22  
channel - look - SE  
from hill 54 - Deep Water  
Trenching - Colinton Co

✓  
✓  
5-6

Barley - field - same place as 4.  
8/15/22

✓  
A

Old Goose Lake channel 3  
from foot of east valley  
wall - 2.8 mi south

of Jackson Co. line - road  
then 545 - Deep Water  
Trenching 8/10/22

✓  
2

Old Goose Lake - same as 1

✓  
A

view of old Goose Lake  
from foot of east valley  
wall - 2.8 mi south  
of Jackson Co. line - road  
then 545 - Deep Water  
Trenching 8/10/22  
Old Goose Lake - same as 1  
view of old Goose Lake  
from foot of east valley  
wall - 2.8 mi south  
of Jackson Co. line - road  
then 545 - Deep Water  
Trenching 8/10/22

✓  
A

view of old Goose Lake  
from foot of east valley  
wall - 2.8 mi south  
of Jackson Co. line - road  
then 545 - Deep Water  
Trenching 8/10/22

✓  
A

view of old Goose Lake  
from foot of east valley  
wall - 2.8 mi south  
of Jackson Co. line - road  
then 545 - Deep Water  
Trenching 8/10/22

✓  
A

view of old Goose Lake  
from foot of east valley  
wall - 2.8 mi south  
of Jackson Co. line - road  
then 545 - Deep Water  
Trenching 8/10/22

✓  
A

view of old Goose Lake  
from foot of east valley  
wall - 2.8 mi south  
of Jackson Co. line - road  
then 545 - Deep Water  
Trenching 8/10/22



X 2 Old Gashland quarry  
 on lower left bank of  
 bank of north Fork of  
 Mississippi River, near  
 the middle of the east  
 side of Sec 9, Brandon Twp  
 - 8/24/23

✓ 3 Mill Creek falling  
 on upper left bank of  
 Salina. Loc. Mill  
 Creek - just above  
 junction with North  
 8/29/23

X 4 Crest of the hills  
 and the - looking  
 upon the river  
 from the  
 the river  
 looking up - the  
 hills and the river  
 and the hills

1923-1924

VIII

Ladd

(273)

Brassfield. 6/14/24



(273)

Ladd

VIII

1923-1924



x 2 Old Ashland quarry  
in lower dol south  
bank of north Fork of  
M. & O. River near  
the middle of the east  
side of Sec 9, Brown Twp  
- 8/24/23

✓ 3 Mill Creek quarry  
near upper bank of  
Salina Del. Mill  
Creek - just above  
granite with Mass R  
6/29/23

x 4 Crest of Salina above  
and below - is quite  
more common than  
the low of Salina  
to the left from top of  
Salina up - here  
it is enough to be  
seen about east

side of Salina - Sec 10  
Twp. 10 N. R. 10 W. -  
not enough to be  
seen above top of  
6/30/23

✓ 5 Old quarry of  
magnesian - with  
a few greenish brown  
dots - 5 ft. or more  
across - Sec 10 (Twp. 10 N. R. 10 W.)  
Brown Twp.  
7 W. 9/2/23. Found in  
same - time to stand.

x 6  
1223  
I  
45 - by pt. in W. south  
of Salina - bed of  
quartzite - 6/3/23

6 Centerville Quarry - Ohio  
Dayton to nearly  
Blissfield. 6/14/24



- 1 Centerville Quarry, Ohio.  
up Bensford over bank by  
low slope of Dayton Co.
- 2-3 D. l. Talus (Hsp.) - slipping  
over Mag. NW 1/4 Sec 8/  
Melville Twp. - Clayton Co.  
- standing on Col
4. 5 sec. time - Isotatus  
beds. - SE flowing trib. on  
right bank - left bank  
Little Turkey river Loc. 28  
(1928)

## Daily Log

Sun. 9/3/22 Nothing out of ordinary  
 - " 9/10/ - took Pop & Tad downtown  
 (incl.) every morning and worked in  
 my room most of each day.  
 Am cataloging entire library  
 - books, pamphlets, clippings, etc.  
 Took Dot to ball game on  
 afternoon. Shipton called  
 me Sat Sep. 9. Went to see  
 him at U., took him  
 downtown (met Thomas) &  
 brought him to house for  
 lunch. Gave me letter  
 of introduction to friend at  
 Iowa, advised me on my  
 report, etc. Took him to  
 Ben's where we each  
 had two drinks.  
 Have done lots of work.  
 - Hazel arrives Sun. evening 10<sup>th</sup>  
 42



Left St. Louis morning 8  
Saturday Aug 4<sup>th</sup>, 1923 in new Ford.  
To Hannibal; crossed Miss. R. there  
and continued up Ill. side, camping  
for night just south of Quincy.  
Into Quincy early Sunday  
morning and on to Keokuk. North  
in Iowa from Keokuk to  
Iowa City arriving there about  
9<sup>30</sup> same evening. Fair weather  
Sat. except for early morning  
thunder shower. Snow at  
intervals Sunday. Roads dry  
and fairly good in Mo. & Ill.  
(dirt and gravel for most part)  
Practically all dirt in Iowa  
- excellent when dry & graded but  
very heavy to north - Red Ball  
route.

Monday Aug 6 to Sat Aug 11

Spent in Ia. City - quite a  
bit of reading & work done. Prof.  
Thomas arrived & Friday morning.  
Sat Aug 11

Spent morning, afternoon & evening  
in Ia. City. Left for Keokuk  
early afternoon. Arrived  
Keokuk from Iowa City  
to Keokuk. Roads dry.  
Length paved road for  
first 15 miles only.  
Landscape good about  
same distance out on  
road to Red Ball. Arr.  
old supper after dark  
in car. Camped off road  
near where Red Ball  
Sunday 12.

Spent morning in Keokuk. Packed  
up car & left for Hannibal.  
Clear morning. Arrived  
Hannibal in afternoon.  
Breakfast (code) 46



Oct 1. D. H. Hurl & V. H. Velt  
Drove from De Witt to  
Macon.

Collected and collected  
from outcrop of Hopkinton  
shale in  
S. cent. portion of Sec 32,  
T 8 N, R 11 E - on  
east side of Prater Creek  
just above confluence  
of Magalloway  
Through Magalloway  
- west across  
Magalloway River to  
Bridgport. East from  
Bridgport on an  
unsuccessful attempt  
to locate Penn. outcrops  
mapped in n. cent. part  
of Sec 15, T 8 N, R 11 E.

Collected in  
Mag. River  
East on west road  
to Penn. outcrops located  
in Sec. 17 (Harfield Township)  
- east central part. Sec.  
24 (Mag. Township)  
Collected from  
along creek. - mostly  
shales, sandstones, etc.  
Miller has worked  
on this area.

Mon Aug. 12

Drove to & collected from  
Penn. outcrops west of  
Sec. 17 Harfield Township.  
No note.

Drove with J. to  
supper. Met one of Conacher  
students (Wells) -  
Drove to Perry -  
Drove to Penn. outcrops



on road at Sec 32 (Fairfield)  
- near Old (Majors) field  
Collected slide of highly  
fractured M.  
(John) James McLeod says  
4 miles from here and  
telephoned him about it  
Camped for night  
on hill above creek (was)  
N.E. pt Sec 32, Fairfield T.  
West river, etc.

Tuesday Aug 14

Went down - water  
started about 5<sup>00</sup> - east  
along creek (2 1/2 mi) to  
N-S road - back to camp  
by same road. Stopped  
to see Mr. Schmiedke  
who told me the legend  
of the anthracite and

galena, exposed here.  
Took pictures and  
collected from weathered  
May full 20' thick.  
Excellent material!  
Took for dinner  
at Mr. McLeod's place.  
Jack - John Cor. Sec  
32 Jack says there is  
good stone in Clinton  
To back (back)  
(James started 2 min)  
and spent night in  
John's front yard  
Wed Aug 15

Went for breakfast  
Paul accompanied me  
swampy day. Went  
south to Sweet Creek  
collected some (no other  
noted) etc. Leaving



at Fairley. Visited Leonard  
Lepart & family. They  
live in the old, big & big  
old of Fairley. They sold  
of Dick, Sup. Carter Co. etc.  
We are for dinner to  
Preston after supper we  
showed - bought candy for  
Mrs. Gully. Slept in  
our room.

Thurs. Aug. 16.

Wrote letter & made  
in morning (C. P. & A. R. L.,  
L. M. L., L. E. C., M. G. L.,  
H. V. S., C. R. W., & Mrs. Gully.  
Got dog from Farmer  
Timmer P. - small &  
Cattle pup - very friendly.  
Then, & found of taking  
eggs. Will be good

very good in evening  
at Fairley & left shortly  
found Hopk. - could  
not get past the C. P. & A. R. L.  
Carter Co. continued to visit in Wagon  
Hopk. here until 5:30  
then to William's farm  
& had supper & used  
with them. Day good  
and sunny at night but  
cooling. We left by  
going at dark  
near road now.

Fri. Aug. 17.

Went to see nurse Dr. J. P.  
Lepart, son of Dr.  
Lepart. Worked in room  
under the Preston for  
many years. He is  
now in the C. P. & A. R. L.  
out of the room.  
with & work on



map & notebook  
after dinner. Camped  
below Miller's  
with Dot.  
Sat. Aug 18

Up early for both  
in creek. Walked on  
Paw outline Sec 12 (Mag.)  
& Sec 13 (Hayfield).  
To creek for water. South  
of town along old Goose Lake  
channel. Ditch of 10 ft. or  
less wide. Dot & Van  
Buren say & collected  
from Mag. SW 1/4 Sec 13  
& Van Buren. To Miller  
& to Magawata with  
Bill Miller. Had  
supper then (second  
night) went

To Sam's dance till about  
2<sup>30</sup>. Slept at  
Miller's as it was  
cold, long & late. Went  
night -

Sun. Aug. 19

Left Miller's before  
breakfast - at 5<sup>30</sup> left  
and breakfast in Benton.  
Collected from 11<sup>30</sup>  
along road in northern  
part of Sec 23 (Van Buren).  
Loaded car with  
specimens. Collected  
from 11<sup>30</sup> in afternoon.  
Sec 24 & 25 (Hayfield).  
To Benton for supper & to  
show. Rain just before  
evening - going to put  
up tent. Port. left  
late. Put up tent. Cook  
camp till 10<sup>45</sup>.



The Taylor for night  
supper with  
W. C. H. S., J. C. S. (Cedar),  
O. C. S. (Cedar), O. C. S. (Cedar)  
Dorsey.

Robert Camp.  
on team on line. Went  
along creek before dark.  
Found on south  
side of creek. May  
be a bit - there  
may be area of  
flooded lake described  
by maps.

Tuesday - 28

Rain in early morning  
to Burton. Waste letter  
to C. P. A. H. D. M. L.  
and H. V. S. Study  
after dinner which

(5th night tonight)

General survey of  
Lower Lake channel  
after studying (with  
Charlotte Dorsey).

Met Thomas & Standish  
back to same

dinner for night. Got  
back dinner for

cold soup.

Wed. Aug 28

Left for May  
camp (Dorsey).

General survey from  
school & base line

(C. S.). Call from  
May Sec 13 & 2

in afternoon. Found  
some very interesting

features.

Thurs. Aug 29

Home & family 51



Collected  
a few fossils. Tell  
about 1000 ft.  
up to the top of the  
beds. The fossils are  
mostly small.

Long bed of sandstone  
with some fossils.

From the Devonian (?)  
fossils in Sec 15 Brandon  
T. I stopped at the top of  
the bed changed and  
went out in the field.  
Collected *Strophomena*  
*lepta* from section.  
Also *Strophomena* and  
others. Is black  
crushed on surface. Note  
etc. in evening.

Sat Aug 24

Traveled on Dev. Section  
by 10:30

Section further on  
mapped in Sec 17,  
Brandon T. but could  
not find it. Collected  
fossils (*Strophomena*, etc.)  
from bed & drift.

From the *Strophomena*  
quarry, Sec 9 & 10,  
Brandon T. & collected  
new *Strophomena* fossils.

To Center for  
supplies & back to  
camping place of  
last evening. Write  
notes, etc.

Sat Aug 25

Traveled to find  
more of Dev. section  
near quarry. Collected  
fossils. Write notes.  
Done fossils, etc. near











With the old car  
to the house for dinner  
with the orange tree  
- several copies of  
magazines.

Spent the whole  
day in the room - not  
much sleep - night  
with the orange tree  
and the house 29  
of the N. 5. 11.

Spent the morning  
in the room - not  
much sleep - night  
with the orange tree  
and the house 29  
of the N. 5. 11.

Spent the afternoon  
in the room - not  
much sleep - night  
with the orange tree  
and the house 29  
of the N. 5. 11.

Spent the morning  
in the room - not  
much sleep - night  
with the orange tree  
and the house 29  
of the N. 5. 11.

Spent the afternoon  
in the room - not  
much sleep - night  
with the orange tree  
and the house 29  
of the N. 5. 11.

Spent the morning  
in the room - not  
much sleep - night  
with the orange tree  
and the house 29  
of the N. 5. 11.



June to June. Met  
Mr. Marbree. He  
said that the school  
was not a failure  
at all.

Went to Green Island  
for water & saw the bridge.  
The old ground to north  
is now being made  
ready to work.

Sat Sept. 1st

Left with Ford  
To see 27<sup>th</sup> of June when  
I could not go on  
river. Attempted to  
go to high point camp  
at 10:00 AM. Then  
let cold, so the 29. Then  
almost customary. Left  
the afternoon.

Went to the  
school. The boys  
Ben, Carl, Frank, etc.  
I saw a fox  
leaving the house at  
10:00 AM. Long was  
with the creek.

Heavy rain at night.

Sun Sept. 2nd

Went by car to Green  
Island for share, saw the  
bridge. To see the  
concrete foundation  
of previous day. Attempted  
to make a passage  
from along the  
creek in the 15th  
square. The passage is  
not so as in the  
area just with the  
bridge. The bridge  
hole and foundation.











cloudy - sunny rain  
early at 7x - cold  
at 8x







at Burnett Hotel (C)

Sun Sept 16

No. Waseka Ill -  
 struck pay road (S  
 1/2 Sec 16 T. 12 N. R. 10 E.

February 11th  
 Arrived 12:55 P.M.  
 Feb 12th

Total mileage for day  
about 350 miles.



John - June 8



June 10 / 1892  
I was in the  
field all day

Started out at 9:30 - to  
the stream. Found out  
that the stream was  
flooded. Did not  
go in. Spent night in hotel.

Expected our party  
on at (see notes) -  
the night before. Still  
nothing. Found out that  
the party was not coming.

On the 10th I found  
all over the river. Found  
out that the river was  
flooded. Did not  
go in. Spent night in hotel.  
On the 11th I found  
all over the river. Found  
out that the river was  
flooded. Did not  
go in. Spent night in hotel.

Wed. June 11  
To Indianapolis  
for supplies. Left at  
12:15. Arrived at 12:15.  
Spent night in hotel.  
On the 12th I found  
all over the river. Found  
out that the river was  
flooded. Did not  
go in. Spent night in hotel.  
On the 13th I found  
all over the river. Found  
out that the river was  
flooded. Did not  
go in. Spent night in hotel.

Thurs. June 12  
Collected top of  
Waynesville with  
William Creek with



of town. Also Colton  
of Libby. In P.M.  
can drive below  
mountain from top  
of Vermilion

report from  
doubtless

Collected from various  
formations all day &  
packed fossils, etc. till  
after 10 P.M. To sleep  
north of town.

Fri. June 13

To Stanley & White Sulphur  
To collect from Richmond  
formation. Met Dr. Ford  
who accompanied us.

Packed fossils, etc.  
in evening till 8 P.M.

Sat. June 14

To Centerville. There  
to collect from

Fract. To my laboratory  
in evening when he  
instructed us regarding  
Wyldes locality. It  
showed a wonderful  
collection of cystids.  
The sleep south of  
Libby.

Sun. June 15

To Upper Canyon  
west of Dayton (Calif.)  
stopping on way at  
a place known  
as Livingston south  
of Dayton. Found  
excellent exposures. Back  
to Dayton where Ford  
showed an excellent  
collection of cypholopids  
& showed me with  
preparation. I went to  
Richmond. Sat. July 6th



at the Scott Hotel.  
Friday June 16. In morning  
Mr. Jones & I to Shunking.

most as far as Wilkes  
shel. Collected from  
in the cut-off by rail  
SW of Jct. North and  
along Walston fork  
from town pole on  
Cody creek. Through  
Indian reservation  
near Laramie.

Thurs June 17  
at Laramie. To by morning  
train to De Kalb, Neb.  
Wed June 18  
at De Kalb. To Iowa City  
by 11 A.M. Still 12.30  
at Iowa City.

Thurs June 19  
at Iowa City. To Mr. Cox  
for supper & ride.  
at De Kalb. To by morning  
train to De Kalb, Neb.  
at De Kalb. To by morning  
train to De Kalb, Neb.  
at De Kalb. To by morning  
train to De Kalb, Neb.

Fri. June 20  
With J. S. to Mr. Cox for supper & ride.

Prepared camping outfit,  
etc. in morning after  
breakfast with Tyror  
at Sidewell. Left Iowa  
City about 10<sup>00</sup> A.M. for  
Dub. Co. Camped south  
of road 28 east of Fillmore.  
along road. An unromantic  
scene of a lady in distress  
in afternoon.

Sat. June 21.  
To Dubuque for mail, food,  
& tire repair - having had 65



a ~~leaking~~ blow out just  
after breakfast. Called on  
Mike Stafford in newspaper  
office while waiting for  
tire to be repaired.

Drove south of Dubuque  
to Sec. 22 & 27 of Mosalem  
Twp. to see Cabini upper  
Magnopota (transition) beds.  
Collected fossils for hour  
& studied sections in  
several ravines - wrote notes.

Back to Dubuque & went  
on No 5 & side road to  
Grif cut area - went up  
valley of Little Mag. &  
south of P.R. tracks near  
Epworth to camp.

Sun June 22.

Slept till 8<sup>00</sup> - cloudy  
up & began to rain as  
we finished breakfast.

Wrote letters to C.P.L., A.R.L.,  
Aug. F. Foerste, Dean McComb,  
Mrs. Howell, and H. B. Peacock.  
Played cards with Tige.  
& ate dinner in car. Rain  
stopped at noon - greased  
car & drove to Plectambonite  
outcrop along Chi Gt. Western  
tranche in Taylor Twp. - collected  
slabs & specimens. Drove  
north of New Vienna &  
camped along road - washing  
- notes, etc. & to bed. Looks  
like more rain - side  
roads bad. But Tige  
again at "rummy". Big  
wind & rain storm about  
9<sup>00</sup> - glad we slept in  
car.

Mon. June 23.

North Through remains 66



of D<sup>u</sup>que Co. to  
Graham in southern Clayton  
county. Tried to locate  
depauprate fauna - found  
Isotelus beds but no  
sharp contact of Galena  
& Maquoketa. Across Turkey  
River and to Elkport by  
northern route - trying to  
find Gal.-Mag. contact at  
several points along way.  
Mail (DML, Pres Cox, &  
H.V.S.) & food at Elkport  
& south to EC part of Elk  
Twp. to camp - left bank of  
Elk creek. With help of  
farmer located beautiful  
exposure of lower Mag.  
-overlying Gal. in creek  
bed. Shall quarry

for lowest few inches  
tomorrow. Bath, notes, etc  
& to bed. But T<sup>h</sup> again at morning.  
Visited old prospect tunnels  
in Galena dol. in NW 1/4  
Sec 8, Millville Twp,  
Clayton Co. in S-N  
ravine tributary to  
Turkey River - Clayton  
Co. Also tried  
unsuccessfully to  
locate dep. fauna in  
this area.











Camp, good morning  
 with layers of clouds  
 about 10 miles out  
 seen before we got  
 to the top of the  
 mountain. The  
 view was beautiful  
 I had a little  
 trouble with the  
 camera. The  
 picture was not  
 very good.

Sunday, 11th  
 Had a little work  
 done. The  
 car was  
 fixed up.

Initial Ford Exp.

	car - - - - -	443 28
	steering wheel - -	15 00
	Speedometer - - -	17 50
	extra on tires - - -	
	Registration fee - -	1 00
	Chains - - - - -	4 50
	tie lock (H.S.L.) - - -	1 25?
	gas (about 6 gal)	
	oil (filled)	
<u>Regular</u>	gas (4) - - - - -	85
	bolt - - - - -	10
		20
		10



gts.	Oil.	
(filled by agent.)	(drained out)	
1		30
1/2		15
1/2		15
1/2		15
1/2		15
1/2		15
1/2		15
1/2		15
4	1 gallon in different	1.20
1		15
1		35
1		25
	grease off	75
2	con grease off	50
1		
2	grease off	
2		
		1.20

Gal	Gasoline.	cost
6		
4		.85
4		
6	(+ 1 qt. "Finol")	1.69
4		
4		
4		
3	@ 23	69
4	@ 24	96
5		85
8	@ 16 1/2	1.32
1	@ 16 1/2	60
2	@ 16 1/2	60
2	@ 17	68
2	@ 16 1/2	59
5	@ 15	75
6	@ 15	90
6	@ 15	90
7	@ 17	119
2	@ 15	30
		71







Live - - -

12 -

2 July @

4 gal @

1 qt. oil

1 gal. oil

Ugalsu @ 40

147

gas & oil 1.47  
1.58

147  
158

1.25

1.35 - the again and  
148 +

25  
1.15

.50 storage

1.72  
96

23



## Money

Leaving St. Louis Aug. 4th. \$105.00

pork 5.0 - globe .25 food 5.5 (T)  
 food 4.5 T, food 4.0, gas 1.0  
 milk (T) 2.0, Colley 1.0  
 meat 4.00 - soy 2.0, fat 1.0  
 milk & eggs 1.50 globe 1.00  
 2.00 globe 1.00, small globe  
 gas 1.00, gas 1.00, milk 1.00  
 & change oil 2.00, globe 2.00,  
 globe 4.00 (T),

OK.

Ohio trip - no account kept  
on food.

oil & gas 1.36 - 6 gal & 1 qt. 70¢ Tyan 28¢ Lead milk & eggs - 15¢ gas 93	(Tige) 50¢ bread etc. 15¢ choc. 10¢ plug & bolts 50¢ food 77 (T) Aug & stars 52¢ (T) 74
---	---



Jan 2  
 Feb 3  
 Mar 4  
 Apr 5  
 May 6  
 Jun 7  
 Jul 8  
 Aug 9  
 Sep 10  
 Oct 11  
 Nov 12  
 Dec 13

gas & oil 1.55  
 food 20 (Ty)  
 " 50 (Ty)  
 " 1.25 (Ty)

Jan 14  
 Feb 15  
 Mar 16  
 Apr 17  
 May 18  
 Jun 19  
 Jul 20  
 Aug 21  
 Sep 22  
 Oct 23  
 Nov 24  
 Dec 25

Correspondence

Jan 26  
 Feb 27  
 Mar 28  
 Apr 29  
 May 30  
 Jun 31  
 Jul 32  
 Aug 33  
 Sep 34  
 Oct 35  
 Nov 36  
 Dec 37



## Lists

### Clothing, Bedding, etc.

1 Hunting coat

2 3 shoes (boots, tennis, ~~high shoes~~ ~~low cuts~~)

3 kaikhi shirts (2 light - one heavy)

+ garters

6 pr. socks (2 knitted, one light wool -  
2 light cotton)

3 suits B.V.D.

1 straw hat x

1 felt hat

1 good suit x

2 " shirts x

2 " collars x

collar buttons etc. (1 chain, 3 keys, 2 pins)

poncho

1 pr. cord. trousers

1 " old gray trousers

2 pr. blankets 5 lb. & lighter.

1 sea bag

1 pr. extra new high laces

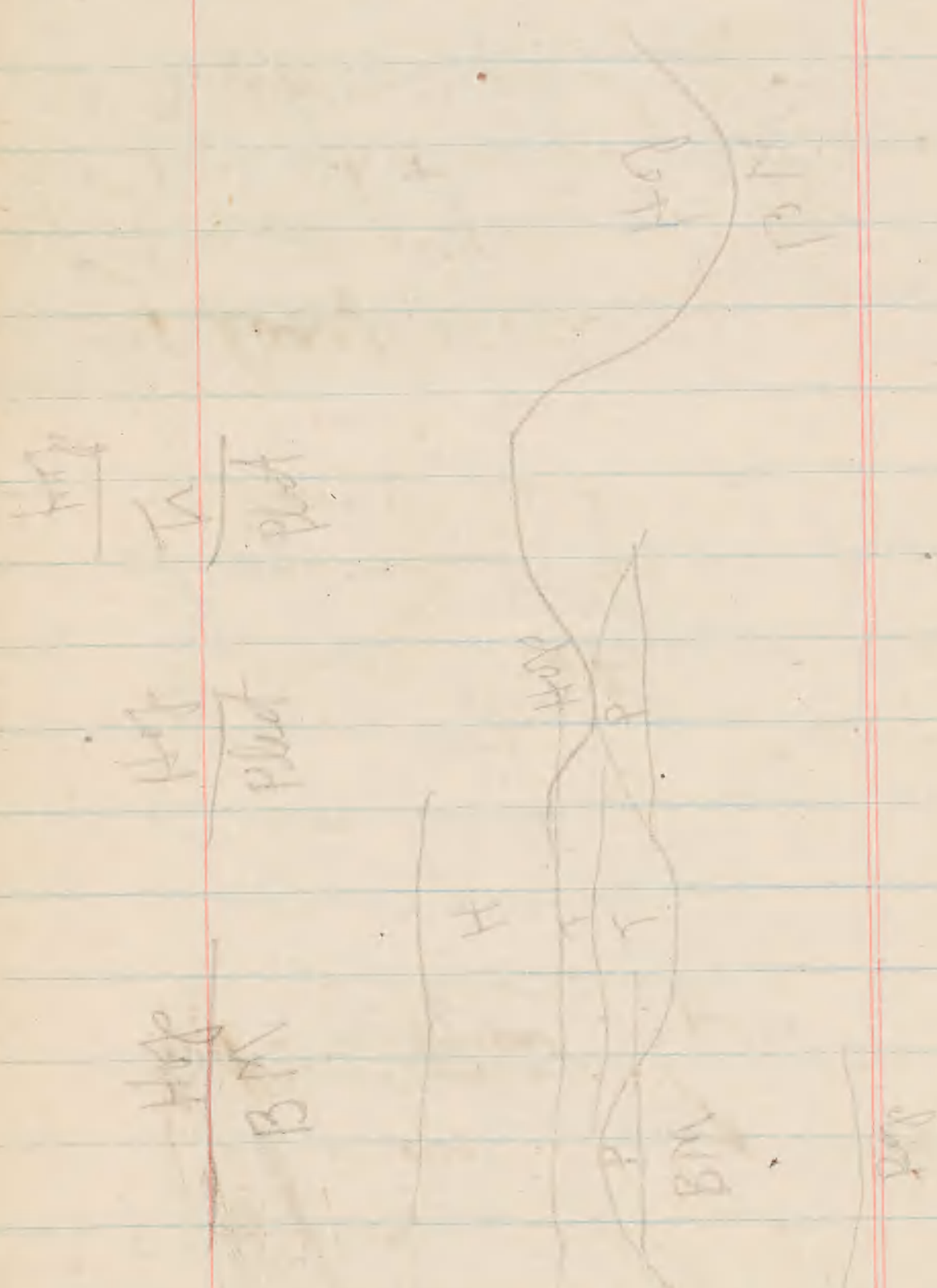


- 3
- ✓ 6 Hk. - 4 bandanas - 4 linen
  - ✓ 1 can oil for shoe
  - ✓ 2 Towels - bath & hand
  - ✓ 1 tooth brush
  - ✓ 1 tube tooth paste
  - ✓ 1 comb
  - ✓ 1 strof
  - ✓ 1 tube shaving soap
  - ✓ 1 razor
  - ✓ 1 shaving brush
  - ✓ 1 sewing kit
  - ✓ 1 belt
  - ✓ 28 sq. yds - mos. netting with ~~wire~~
  - ✓ 1 neck tie X
  - ✓ 1 bathing suit
  - ✓ 1 slicker

## Geological Material

- 1 2 field notebooks bottle caps  
copper  
cotton
- 1 personal "
- 12 colored pencils in case  
with even clips & guards
- 6 pens " 2-2H; 2-4H; 2-6H
- 1-6" ruler - 10ths & 50ths
- 1 compass with clinometer
- 2 hammers - pick & trimming
- 1 pocket lens
- 1 collecting bag
- 1 camera
- 7 rolls of film - (12 each)
- 2 hand level
- 2 cold chisels
- 2 bottles India ink - carmine & black  
+ cloth wiper
- 2 protractor
- 1 notebook with trig problems
- 1 book Trig. tables cloth cover
- 1 ink & pencil eraser + 1 cup  
+ 1 cup
- 1 fine mapping pen - 2 pts. + 1 cup  
+ 1 cup
- 1 coarse pen holder & pts. + 1 cup  
+ 1 cup
- Paper soccer - 2 cups + 1 cup  
+ 1 cup





Page	Chof.	Heavy
28	42	0
28	43	1
28	57	6
59	62	6
67	109	6
<hr/>		
24	9	0
24	20	15
35	28	15
54	28	22
54	32	24



1876

Pack camping outfit - 2 boxes.  
Car in order - grease  
pack met in office to go

~~Hand over desk & inside 2 paper~~  
Theistic separate

Petrology ✓

Pay Mrs. H.

pack stuff in room

Finish St. Q paper - check by Tho.  
after supper Turn over to Scott. ✓

~~Leave at 10<sup>00</sup>~~

forwarding address with Mrs. H.  
bag food, etc.  
See Tho.



1845. - Strat. & Gr. water haul  
~~turn - change check~~

~~State major~~

5 gal. x 1 ft. - 1.18 - gravel 66¢  
" " " 2.00

~~outline field work & problems~~

Sed. work Tron

Howell shore - 160

unperf. Min. fossils

~~Reg. check~~

Slide # 408 - replace

Write Bill farm

See Rogers in July

~~Call on Dr. Durr Sat~~

~~Exec. & fossils to Thor.~~

~~St. Quarry Paper~~

~~Write Forest~~

~~Mar. H.~~  
~~Green yellow~~

~~check to M. H.~~  
- Norton & McGee ref. - add  
July 1924 - 250.00 - add cpl  
- add 1145 - 1145.00 - add 1145.00



Pack camping outfit - 2 boxes.

Car in order - grease  
pack met in office to go

~~Hand some dress & blouse & paper~~  
Toes in separate

Petrology ✓

Pay Mrs. H.

pack stuff in room

Finish St. Q paper - check by Thos.  
after supper turn over to Scott.

~~Landmark at 10<sup>00</sup>~~

forwarding address with Mrs. H.

buy food, etc.

See Thos.



1876



